

KANSAS DEPARTMENT OF TRANSPORTATION



BOREHOLE REPORT - KANSAS DOT GDT - 10/11/17 14:10 - C:\USERS\JULIE_SHAFFER\DOCUMENTS\JULIE_SHAFFER\PROJECTS\ROAD PROJECTS\BRIDGE-ROAD ON K33-WELLSVILLE\KA395101 K-33 OVER RR-WELLSVILLE.GPJ

RTE./CO.	K-33 / Franklin	SOUNDING NO.	CH-2	SHEET 1 of 3
		PROJ. NO.	KA-3951-01	BRIDGE NO. 064
SITE NAME	KA395101 K-33 over RR-Wellsville			HOLE STA. 76+60, 40.0' Lt of CL
GEOLOGIST	J. Shaffer	SCALE 1 inch = 5.8 feet	DATE August 30, 2017	
DRILLER	S. Hudson	RIG TYPE CME 75	TOP HOLE ELEV.	1056.77
GW ELEV.	N/A	TOTAL DEPTH 58.2	M/B ELEV.	1033.6
GPS COORDINATES 38.716027 , -95.075152				

Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION
	Mantle			1056.8	dark brown to light grayish-brown, ironite concretions, black shale and coal nodules				
	Weston Shale		23.2	1033.6	light brownish-gray, minor silt and clay, black shale nodules, weathered				
			26.3	1030.5	brownish-red, clayey, minor silt, ironite concretions, black shale nodules, limestone lens, weathered, 34.9-35.1' lens of ironite concretions				
				1025					



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Bit Type	GEOLOGIC NAME	STRATIGRAPHIC COLUMN	DEPTH	ELEVATION	CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS	UNCONFINED COMPRESSION (TSF)	ELASTIC MODULUS (PSF)	N60 COUNT (SPT)	ELEVATION
	Weston Shale		35.9	1020.9	red and gray, platy layers, weathered				
			48.2	1008.6	gray, good structure, multiple limestone lenses				
			52.5	1004.3	dark gray to grayish-black, multiple limestone lenses				
			58.2	998.57	T.D. = 58.2				



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Bit Type									
GEOLOGIC NAME									
STRATIGRAPHIC COLUMN									
DEPTH									
ELEVATION									
CLASSIFICATION OF MATERIALS DESCRIPTION AND REMARKS									
UNCONFINED COMPRESSION (TSF)									
ELASTIC MODULUS (PSF)									
N60 COUNT (SPT)									
ELEVATION									

Core	Depth	Elev.	Cut	Rec	Rec %	RQD
Total	58.2	998.57				%

Box 1 → 16.8 - 34.5'

Box 2 → 34.5' - 45.8'

Box 3 → 45.8' - 56.5'

Box 4 → 56.5' - 58.2'